

Amendments to the Claims:

1. (currently amended) An isolated polynucleotide comprising:
 - (a) a nucleotide sequence encoding a polypeptide having defensin activity, wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:4 have at least [[90%]] 95% sequence identity, or
 - (b) the complement of the nucleotide sequence.
2. (cancelled)
3. (currently amended) The isolated polynucleotide of Claim 1, wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:4 have at least 90% sequence identity ~~based on the Clustal alignment method~~.
4. (currently amended) The isolated polynucleotide of Claim 1, wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:4 have at least 95% sequence identity ~~based on the Clustal alignment method~~.
5. (previously presented) The isolated polynucleotide of Claim 1, wherein the amino acid sequence of the polypeptide comprises the amino acid sequence of SEQ ID NO:4.
6. (previously presented) The isolated polynucleotide of Claim 1, wherein the nucleotide sequence comprises the nucleotide sequence of SEQ ID NO:3.
7. (previously presented) A recombinant DNA construct comprising the polynucleotide of Claim 1 linked to at least one regulatory sequence.
8. (original) A vector comprising the polynucleotide of Claim 1.

9. (cancelled)
10. (cancelled)
11. (cancelled)
12. (original) A method for transforming a cell comprising transforming a cell with the polynucleotide of Claim 1.
13. (previously presented) A cell comprising the recombinant DNA construct of Claim 7.
14. (previously presented) A method for producing a transgenic plant comprising transforming a plant cell with the polynucleotide of Claim 1 to produce a transformed plant cell and regenerating a plant from said transformed plant cell.
15. (previously presented) A plant comprising the recombinant DNA construct of Claim 7.
16. (previously presented) A seed comprising the recombinant DNA construct of Claim 7.
17. (cancelled)
18. (cancelled)
19. (cancelled)

20. (cancelled)

21. (cancelled)

22. (currently amended) A method for production of a polypeptide having defensin activity comprising the steps of cultivating the cell of Claim 13 in culture medium under conditions that allow for the synthesis of the polypeptide and isolating the polypeptide from said cell, from the culture medium, or from both said ~~eells~~ cell and said culture medium.

23. (previously presented) An isolated polynucleotide that specifically hybridizes under highly stringent conditions to the complement of the sequence set forth in SEQ ID NO:3, wherein said polynucleotide encodes a polypeptide having defensin activity and wherein said highly stringent conditions comprise a series of post-hybridization washes comprising two final washes in 0.1X SSC, 0.1% SDS at 65°C.